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| Substitute Form PTO-1449<br>(Modified)  | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>08935-251002 | Application No.<br>10/196,739 |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary) |  | Applicant<br>William L. Bowden et al. |                               |
|   |  | Filing Date<br>March 9, 2004          | Group Art Unit<br>1745        |
| (37 CFR §1.98(b))   |  |                                       |                               |

| U.S. Patent Documents |              |                    |                     |                        |       |          |                               |
|-----------------------|--------------|--------------------|---------------------|------------------------|-------|----------|-------------------------------|
| Examiner<br>Initial   | Desig.<br>ID | Document<br>Number | Publication<br>Date | Patentee               | Class | Subclass | Filing Date<br>If Appropriate |
| CSW                   | AA           | 4,133,856          | 01/09/79            | Ikeda <i>et al.</i>    | —     | —        |                               |
|                       | AB           | 4,246,253          | 01/20/81            | Hunter                 | —     | —        |                               |
|                       | AC           | 4,312,930          | 01/26/82            | Hunter                 | —     | —        |                               |
|                       | AD           | 4,604,336          | 08/05/86            | Nardi                  | —     | —        |                               |
|                       | AE           | 4,904,552          | 02/27/90            | Furukawa <i>et al.</i> | —     | —        |                               |
|                       | AF           | 4,975,346          | 12/04/90            | Lecerf <i>et al.</i>   | —     | —        |                               |
|                       | AG           | 5,114,804          | 05/19/92            | Stiles <i>et al.</i>   | —     | —        |                               |
|                       | AH           | 5,294,499          | 03/15/94            | Furukawa <i>et al.</i> | —     | —        |                               |
|                       | AI           | 5,425,932          | 06/20/95            | Tarascon               | —     | —        |                               |
|                       | AJ           | 5,759,510          | 06/02/98            | Pillai                 | —     | —        |                               |
|                       | AK           | 5,955,052          | 09/21/99            | Padhi <i>et al.</i>    | —     | —        |                               |
|                       | AL           | 5,997,839          | 12/07/99            | Pillai                 | —     | —        |                               |
|                       | AM           | 6,207,129 B1       | 03/27/01            | Padhi <i>et al.</i>    | —     | —        |                               |

| Other Documents (include Author, Title, Date, and Place of Publication) |              |  |
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| Examiner<br>Initial   | Desig.<br>ID | Document   |
| CSW   | AN           | Ammundsen <i>et al.</i> , "Mechanism of Proton Insertion and Characterization of the Proton Sites in Lithium Manganate Spinel," Chem. Mater., Vol. 7, No. 11, pp. 2151-2160, (1995).   |
|   | AO           | Bowden <i>et al.</i> , "Manganese Dioxide for Alkaline Zinc Batteries: Why Electrolytic MnO <sub>2</sub> ?", ITE Letters on Batteries, New Technologies & Medicine, Vol. 1, No. 6, (2000).   |
|   | AP           | Dahn <i>et al.</i> , "Thermal stability of Li <sub>x</sub> CoO <sub>2</sub> , Li <sub>x</sub> NiO <sub>2</sub> and λ-MnO <sub>2</sub> and consequences for the safety of Li-ion cells," Solid State Ionics, Vol. 69, Nos. 3-4, pp. 265-270, (1994).  |
|   | AQ           | David <i>et al.</i> , "Structure Refinement of the Spinel-Related Phases Li <sub>2</sub> Mn <sub>2</sub> O <sub>4</sub> and Li <sub>0.2</sub> Mn <sub>2</sub> O <sub>4</sub> ," J. Solid State Chem., Vol. 67, pp. 316-323, (1987).  |
|   | AR           | Geronov <i>et al.</i> , "Rechargeable Compact Li Cells with Li <sub>x</sub> Cr <sub>0.9</sub> V <sub>0.1</sub> S <sub>2</sub> and Li <sub>1+x</sub> V <sub>3</sub> O <sub>8</sub> Cathodes and Ether-Based Electrolytes," J. of the Electrochemical Soc., Vol. 137, No. 11, pp. 3338-3344, (90). |
|   | AS           | Giwa <i>et al.</i> , "Lithium Primary Envelope Cells," 16 <sup>th</sup> Intern. Seminar & Exhibition on Primary & Secondary Batteries, pp. Q1-11 (1999).   |
|   | AT           | Hunter, J. C. and Tudron, F. B., "Nonaqueous Electrochemistry of Lambda MnO <sub>2</sub> ," Proc. Electrochem. Soc. Vol. 85-4, pp. 444-451, (1985).  |
|   | AU           | Hunter, James C., "Preparation of a New Crystal of Manganese Dioxide: λ-MnO <sub>2</sub> ," Journal of Solid State Chemistry, Vol. 39, pp. 142-147, (1981).  |
| CSW   | AV           | Larcher <i>et al.</i> , "Synthesis of MnO <sub>2</sub> Phases from LiMn <sub>2</sub> O <sub>4</sub> in Aqueous Acidic Media," J. Electrochem. Soc., Vol. 145, No. 10, pp. 3392-3400, (1998).   |

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| Examiner Signature<br><i>Lawrence</i>  | Date Considered<br>1/30/04 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                            |

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| Substitute Form PTO-1449<br>(Modified)   | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>08935-251002 | Application No.<br><u>10/796,739</u> |
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| Other Documents (include Author, Title, Date, and Place of Publication) |           |   |
|---|-----------|---|
| Examiner Initial  | Desig. ID | Document  |
| <u>SW</u>   | BA        | Manev, V. <i>et al.</i> , "Rechargeable lithium battery with spinel-related $\lambda$ -MnO <sub>2</sub> , 1. Synthesis of $\lambda$ -MnO <sub>2</sub> for battery applications," Journal of Power Sources, 43-44, pp. 551-559, (1993).                |
|   | BB        | Mosbah <i>et al.</i> , "Phases Li <sub>x</sub> MnO <sub>2</sub> $\lambda$ Rattachees au Type Spinel," with English abstract, BATER. Res. Bull, Vol. 18, pp. 1375-1381, (1938).  |
|   | BC        | Patrice <i>et al.</i> , "Understanding the second electron discharge plateau in MnO <sub>2</sub> -based alkaline cells," ITE Letters on batteries, New Technologies and Medicine, Vol. 2, No. 4, (2001).  |
|   | BD        | Read <i>et al.</i> , "Low Temperature Performance of $\lambda$ -MnO <sub>2</sub> in Lithium Primary Batteries," Solid State Letters, Vol. 4, No. 10, pp. A162-165, (2001).  |
|   | BE        | Schilling <i>et al.</i> , "Modification of the High-Rate Discharge Behavior of Zn-MnO <sub>2</sub> Alkaline Cells through the Addition of Metal Oxides to the Cathode," ITE Letters on Batteries, New Technologies & Medicine, Vol. 2, No. 3, (2001). |
|   | BF        | Tarascon <i>et al.</i> , "Chemical and electrochemical insertion of Na into the spinel $\lambda$ -MnO <sub>2</sub> phase," Solid State Ionics, Vol. 57, pp. 113-120, (1992).  |
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|   | BH        | Tarascon, J. M. and Guyomard, D., "The Li <sub>1+x</sub> Mn <sub>2</sub> O <sub>4</sub> /C Rocking-Chair System: A Review," J. Electrochimica Acta, Vol. 38, No. 9, pp. 1221-1231, (1991).  |
| <u>SW</u>   | BI        | Xia, Xi and Sun Weiwei, "The electrochemical performance of $\lambda$ -MnO <sub>2</sub> in alkaline solution," abstract only, Dianyuan Jishu, 23 (Suppl.), pp. 74-76, (1999).   |

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| Examiner Signature<br><u>Lawrence W. Bowden</u>  | Date Considered<br><u>11-30-04</u> |
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